

ABSTRACT OF THE DISCLOSURE

Each of packet processing units (PMs) provided in a router, in the case of receiving a packet received at
5 a receipt port, searches, as a receiving-side PM, for a corresponding transmitting-side PM by use of a receiving-side VPN identifier of the packet, on the other hand, in the case of receiving the packet from the receiving-side packet processing unit, searches, as
10 a transmitting-side PM, for a transmission port of the packet by use of a transmitting-side VPN identifier of the packet, and forwards the packet to the transmission port searched for.